

## MS/MS Parameters of Pesticides

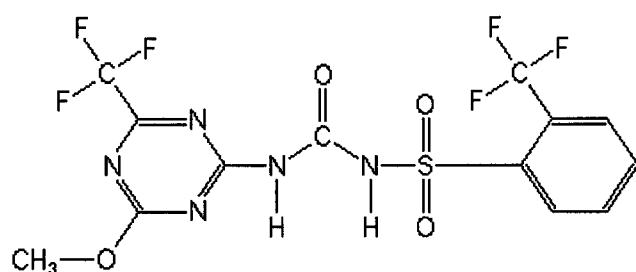
### Analyte: Tritosulfuron

CAS No.: 142469-14-5

Formula: C<sub>13</sub>H<sub>9</sub>F<sub>6</sub>N<sub>5</sub>O<sub>4</sub>S

Molecular mass (lowest isotopes): 445,03 amu

Structure:



Ionisation: ESI +

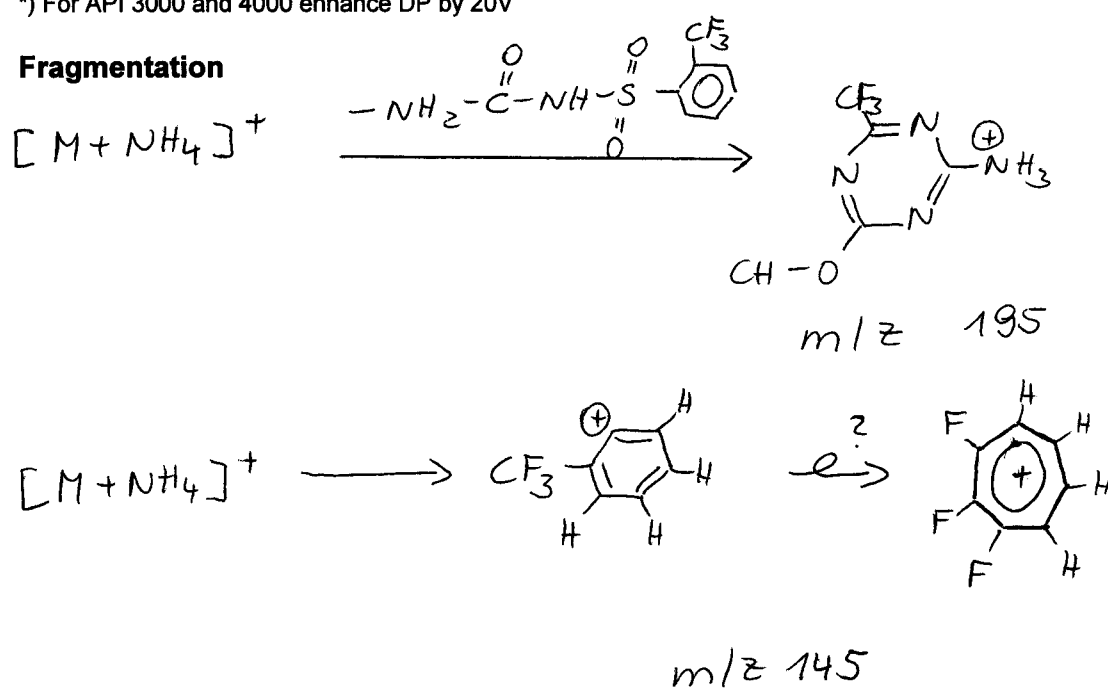
Quasimolecular ion: 463,1 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	463,1 → 195,0	463,1 → 145,0
Declustering potential (DP) <sup>*)</sup>	1V	1 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10 V	9,5 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	29 V	59 V
Collision cell exit potential (CXP)	10 V	8 V

<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050215112018.wiff (Turbo Spray)

Max. 3.3e8 cps.

15.02.2005  
Tritosulfuron-amm Q1 scan  
[M+NH<sub>4</sub>]<sup>+</sup> 463  
100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min

